

METHOD FOR BACKWASHING HOLLOW YARN MEMBRANE FILTER

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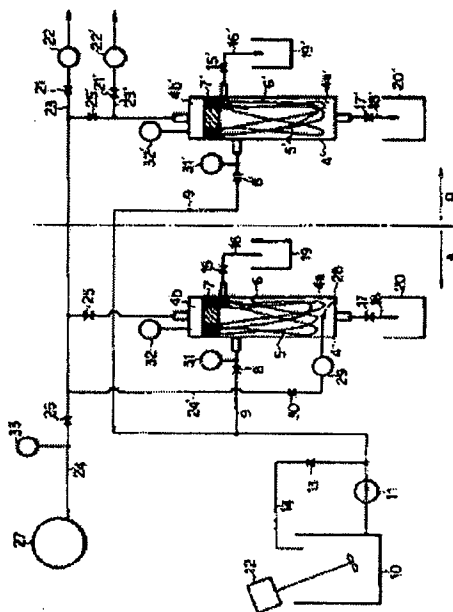
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Abstract of JP60019002

PURPOSE: To enhance the removal efficiency of fine particles adhered to a hollow yarn membrane, by allowing a small amount of a filtrate and air bubbles to permeate the hollow yarn membrane from the interior thereof by introducing compressed air into the hollow yarn membrane while vibrating the liquid in a container having hollow yarns received therein. **CONSTITUTION:** Treating liquid sumps 4a, 4a' partitioned by seal parts 7, 7' of hollow yarn membrane receiving containers 4, 4' are connected to a treating liquid supply pipe 9 having valves 8, 8' and a treating liquid having fine particles dispersed and floated therein is supplied to said treating liquid sumps 4a, 4a' from a treating liquid tank 10 by a treating liquid supply pump 11. On the other hand, an air bubble generating nozzle 28 having a nozzle orifice size of 1-2mm.φ is provided to the bottom part of the hollow yarn membrane receiving container 4 and connected to a compressed air supply arranged pipe 24. By this inventive backwashing method of the hollow yarn membrane, almost 100% of backwashing efficiency is obtained at every cycle within a short time and initial membrane differential pressure hardly changes.



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